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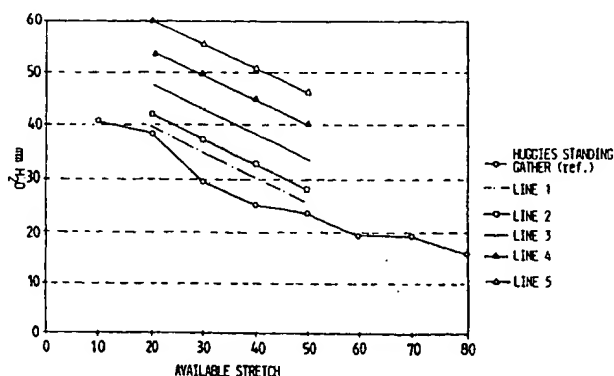
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(54) Title: AN ABSORBENT ARTICLE THAT INCLUDES A LIQUID BARRIER WITH IMPROVED SEALING



## (57) Abstract

A method of improving in an oblong absorbent article that includes a liquid-impermeable bottom sheet, an upper liquid-permeable sheet and an absorbent body disposed between these sheets, and on each side of the longitudinal center line of the upper sheet at least one longitudinal elastic liquid barrier, the sealing effect afforded against the skin of the wearer by at least one liquid barrier on each side of said centre line by causing the absolute value of the negative product  $2\gamma \cos\theta m/r$  in this liquid barrier to increase. A method of increasing in an absorbent article that includes an essentially liquid-impermeable top sheet above an absorbent body enclosed between an upper liquid-permeable sheet and a liquid-impermeable sheet, the top sheet being provided with elastic for shaping the article to the wearer's body and incorporating apertures intended to register with the anus and the urethra orifice of a wearer in use, around which apertures elastically puckered sealing edges are disposed, the absolute value of the negative product  $2\gamma \cos\theta m/r$  for at least one sealing edge. An absorbent article where the absolute value of the product  $2\gamma \cos\theta m/r$  for at least one liquid barrier on each side of the centre line of the absorbent body or for at least one sealing barrier lies above the line  $y=kx+m$ , where  $x$  designates the available elongation,  $k$  has the value  $-14/30$  and  $m$  has the value 48 within the major part of an available elongation range of between 20 and 40 %.